

Substitute for Form 1449/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/844,857
			Filing Date	04/26/2001
			First Named Inventor:	J.J. Garcia-Luna Aceves
			Art Unit	2154
			Examiner Name	Siddiqi, Mohammad A.
Sheet 1	of 3	Attorney Docket Number	5543P005	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
MAS		US-	6,249,801 B1	06-19-2001	Zisapel et al.	
MAS		US-	6,601,098 B1	07-29-2003	Case et al.	
MAS		US-	6,820,132 B1	11-16-2004	Puente et al.	
MAS		US-	7,162,539 B2	01-09-2007	Garcia-Luna-Aceves	
MAS		US-	2002/0163889 A1	11-07-2002	Yemini et al.	
MAS		US	2002/0026511 A1	02-28-2002	Garcia Luna Aceves	
MAS		US	2003/0101278 A1	05-23-2003	Garcia Luna Aceves	
MAS		US-	2003/0200307 A1	10-23-2003	Raju et al.	
MAS		US-	2003/0235155 A1	12-25-2003	Boivie et al.	
MAS		US-	2003/0023750 A1	01-30-2003	Basturk	
MAS		US-	2003/0091029 A1	05-15-2003	Jo et al.	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
MAS		DYKES, Sandra, et al. "An Empirical Evaluation of Client-side Server Selection Algorithms" IEEE Infocom, Vol. 3, March 2000, PP 1361-1370.	
MAS		LEVINE, BRIAN NEIL, et al. "Improving Internet Multicast with Routing Labels", 10 pages, University of California Computer Engineering Department, School of Engineering, Santa Cruz CA 95064 USA. Fifth IEEE International Conference on Network Protocols, Atlanta, GA, October 1997.	
MAS		LEVINE, BRIAN NEIL, et al. "New Routing Services for Internet Multicast", 17 pages. April 30, 1998. University of California Computer Engineering Department, School of Engineering, Santa Cruz CA 95064 USA.	
MAS		OGUCHI, Masato, et al. "A Proposal for a World-Wide Web Caching Proxy Mechanism" XP-000754599, Publication Date 01/10/1006, pp. 531-540, Institute of Industrial Science, University of Tokyo.	
MAS		SCHNEIER, Bruce "Applied Cryptography: Protocols, Algorithms, and Source Code in C" Second Edition, John Wiley & Sons, Inc. ISBN 0471-12845-7 pages 30-31, 34-44, 466-474, 483-502, Table of Contents, Errata section. Copyright 1996	
MAS		SMITH, BRADLEY R., et al. "Federated Networks Bootstrap Services", November 8, 1998, 2 pages. University of California Computer Engineering, Santa Cruz CA 95064.	
MAS		UNIVERSITY OF MANCHESTER 3 rd International WWW Caching Workshop, June 15-17, 1998, Submitted Papers Section. List of papers submitted so far for the workshop. 6 pages, downloaded 10/3/2001 from http://www.cache.ja.net/events/workshop/papers.html	

Examiner Signature	<i>M. A. Siddiqi</i>	Date Considered	08/02/07
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In Re Patent Application of:

J.J. Garcia-Luna-Aceves, et al.

Application No.: 09/844,857

Filed: 04/26/2001

For: SYSTEM AND METHOD FOR USING UNIFORM)
RESOURCE LOCATORS TO MAP APPLICATION)
LAYER CONTENT NAMES TO NETWORK)
LAYER ANYCAST ADDRESSES)

) Examiner: Siddiqi, Mohammad A.

) Art Unit: 2154

Mail Stop Amendment
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Alexandria, Virginia 22313-1450

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Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

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Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
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				First Named Inventor:	J.J. Garcia-Luna-Aceves
				Art Unit	2154
				Examiner Name	Siddiqi, Mohammad A.
Sheet	2	of	3	Attorney Docket Number	5543P005
NON PATENT LITERATURE DOCUMENTS					
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MAS		Ari Luotonen, Henrik Frystyk Nielsen, and Tim Berbers-Lee. Cern httpd. http://www.w3.org/Daemon , 2 pages, July 1996			
MAS		Alex Rousskov and Duane Wessels, "Cache digests," Proceedings 3rd International WWW Caching Workshop, Manchester, England. 19 pages. April 17, 1998			
MAS		Renu Tewari, Michael Dahlin, Harrick M. Vin, and Jonathan S. Kay, "Design considerations for distributed caching on the internet," Technical report, Department of Computer Sciences, University of Texas Austin, http://www.cs.utexas.edu/users/UTCS/techreports/ 14 pages. October 1998			
MAS		C. Hedrick, "Routing Information Protocol," XP002233127, Network Working Group, Request for Comments: 1058 28 pages. June 1998			
MAS		Paul Mockapetris, "Domain System Changes and Observations," Network Working Group, RFC" 973 10 pages. January 1986			
MAS		W. Simpson, "IP in IP Tunneling," RFC 1853, 8 pages. October 1995			
MAS		K. Obraczka, et al., "A Tool for Massively Replicating Internet Archives: Design, Implementation, and Experience," Proceeding of the 16th International Conference on Distributed Computing Systems, Hong Kong, 8 pages. (May 27-30, 1996)			
MAS		John Jannotti, et al., "Overcast: Reliable Multicasting with an Overlay Network," Proceedings of OSDI, San Diego, CA 16 pages. (October 2000)			
MAS		Joe Touch, "Dynamic Internet Overlay Deployment and Management Using the X-Bone," Proceedings of IEEE ICNP, Osaka, Japan pages 59-68. (2000)			
MAS		J. Garcia-Luna-Aceves and M. Spohn, "Scalable Link-State Internet Routing," ICNP, Sixth International Conference on Network Protocols (ICNP'98), Austin, Texas, pp. 52-61, 10 pages. (October 14-16, 1998)			
MAS		P. Mochapetris, "Domain Names - Concepts and Facilities," RFC 1034 55 pages. (November 1987)			
MAS		P. Mochapetris, "Domain Names - Implementation and Specification," RFC 1035 45 pages. (November 1987)			
MAS		Stephen Kent and Randall Atkinson, "Security Architecture for the Internet Protocol," RFC 2401 66 pages. (November 1998)			
MAS		Y. Rekhter and T. Li, "A Border Gateway Protocol 4 (BGP-4)," Network Working Group, Request for Comments: 1771, 57 pages. (March 1995)			
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MAS		J.D. Guyton and M.F. Schwartz, "Locating Nearby Copies of Replicated Internet Servers" Technical Report CU-CS-762-95, Department of Computer Science, University of Colorado-Boulder, 18 pages. February 1995.			
		A. Heddaya and S. Mirdad, "WebWave: Globally Load Balanced Fully Distributed Caching of Hot Published Documents" Proceedings of IEEE 17 th International Conference on Distributed Computing Systems, Baltimore, Maryland. Pages 160-168 plus cover page plus Table of Contents (11 pages total) May 1997			
		V. Valloppillil and J. Cohen, "Hierarchical HTTP Routing Protocol", Internet Draft, http://www.nlanr.net/Cache/ICP/draft-vinod-icp-traffic-dist-00.txt 1 page. April 21, 1997			
		C. Parsa and J.J. Garcia-Luna-Aceves, "Improving TCP Congestion Control over Internets with Heterogeneous Transmission Media," Proc. IEEE ICNP '99, Toronto, Canada 9 pages. (October 31 to November 3, 1999)			
MAS		Craig Partridge, Trevor Mendez, and Walter Milliken, "Host Anycasting Service" Network Working Group, RFC 1546 9 pages. November 1993			

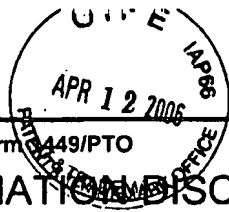
Examiner Signature	M.A. Siddiqi	Date Considered	08/02/02
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This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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			Filing Date	April 26, 2001	
			First Named Inventor:	J.J. Garcia-Luna-Aceves	
			Art Unit	2154	
Examiner Name			Siddiqu, Mohammad A.		
Sheet	1	of	1	Attorney Docket Number	5543P005
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MAS		J.D. Guyton and M.F. Schwartz, "Locating Nearby Copies of Replicated Internet Servers," Technical Report CU-CS-762-95, Department of Computer Science, University of Colorado-Boulder, February 1995.			
		A. Heddaya and S. Mirdad, "WebWave: Globally Load Balanced Fully Distributed Caching of Hot Published Documents," Proc. IEEE 17th International Conference on Distributed Computing Systems, Baltimore, Maryland, May 1997.			
		V. Valloppillil and J. Cohen, "Hierarchical HTTP Routing Protocol," Internet Draft, http://www.nlanr.net/Cache/ICP/draft-vinod-icp-traffic-dist-00.txt (April 21, 1997)			
		S. Gadde, M. Rabinovich, and J. Chase, "Reduce, reuse, recycle: An approach to building large Internet caches," in Proc. 6th Workshop Hot Topics in Operating Systems (HotOS-VI), Cape Cod, MA, May 1997, pp. 93--98.			
		C. Parsa and J.J. Garcia-Luna-Aceves, "Improving TCP Performance over Networks with Heterogeneous Transmission Media", Proc. IEEE ICNP 99 (1999)			
		Craig Partridge, Trevor Mendez, and Walter Milliken, "Host Anycasting Service," Network Working Group, RFC 1546 (November 1993)			
MAS		PCT Notification of Transmittal of the International Search Report or the Declaration for PCT Counterpart Application No. PCT/US01/13834, 6 pgs. (March 18, 2002)			

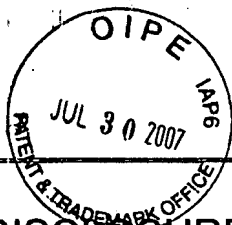
Examiner Signature	M. A. Siddiqui	Date Considered	08/02/02
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Sheet 1 of 1

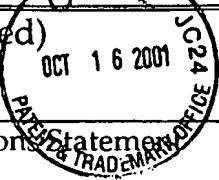
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MAS		J.J. GARCIA-LUNA-ACEVES, et al., "The Core-Assisted Mesh Protocol", IEEE Journal on Selected Areas in Communications, Vol. 17, No. 8, August 1999, pages 1380-1394.	

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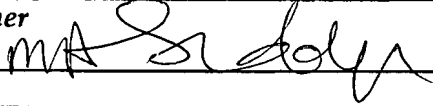


Form PTO-1449 (Modified) List of Patents and Publications (Use several sheets if necessary)	Atty Docket No.: 5543P005	Serial No.: 09/844,857
Applicants: J.J. Garcia-Luna-Aceves		RECEIVED OCT 19 2001 Technology Center 2100
Filing Date: April 26, 2001		

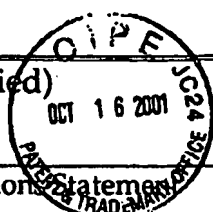
REFERENCE DESIGNATION				U.S. PATENT DOCUMENTS			
Exam. Initial		Date	Document Number	Name	Class	Sub-Class	Filing Date
MAS		12/14/99	6,003,030	Kenner et al.			
MAS		1/30/01	6,182,224	Phillips et al.			
MAS		8/22/00	6,108,703	Leighton et al.			
MAS		4/18/00	6,052,718	Gifford			

FOREIGN PATENT DOCUMENTS							
No.	Document No.	Date	Country	Name	Class	Sub-Class	Translation

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
MAS	A. Chankunthod, P. Danzig, C. Neerdaels, M. Schwartz, and K. Worrell, "A Hierarchical Internet Object Cache," Proc. USENIX Technical Conference 96, San Diego, California, January 1996
MAS	A. Duda and M.A. Sheldon, "Content Routing in Networks of WAIS Servers," Proc. IEEE 14th International Conference on Distributed Computing Systems, June 1994
MAS	A. Duda and M.A. Sheldon, A. Duda, R. Weiss, J.W. O'Toole, Jr., and D.K. Gifford, "A Content Routing System for Distributed Information Servers," Proc. Fourth International Conference on Extending Database Technology, March 1994
MAS	A. Heddaya and S. Mirad, "WebWave: Globally Load Balanced Fully Distributed Caching of Hot Published Documents," Technical Report BU-CS-96-024, Boston University, Computer Science Department, October 1996
MAS	P. Rodriguez, E.W. Biersack, and K.W. Ross, "Improving The Latency in The Web: Caching or Multicast?," Proc. Third WWW caching workshop, Manchester, UK, June 1998
MAS	D. Karger, E. Lehman, T. Leighton, M. Levine, D. Lewin, and R. Panigrahy, "Consistent Hashing and Random Trees: Distributed Caching Protocols for Relieving Hot Spots on the World Wide Web," Proc. 29th ACM Symposium on Theory of Computing (STOC 97), El Paso, Texas, 1997
MAS	D. Karger, Sherman A. Berkheimer, B. Bogstad, R. Dhanidina, K. Iwamoto, B. Kim, L. Matkins, and Y. Yerushalmi, "Web Caching with Consistent Hashing," Proc. 8th International World Wide Web Conference, Toronto, Canada, May 1999
MAS	D. Small and W.W. Chu, "A Distributed Data Base Architecture for Data Processing in a Dynamic Environment," Proc. COMPCON 79 Spring 1979

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		April 26, 2001	



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